Appln. No. 09/755114

CLAIM SUMMARY DOCUMENT

Claims 1-10 (Previously cancelled)

Claim 11 (Previously Added): A rotor disc assembly for use in an electrical machine, the rotor disc assembly comprising a rotor disc and at least one circumferential rotor rim mounted on the rotor disc, the rotor rim comprising at least one row of alternate magnets and laminated pole pieces comprising laminations, the laminations in each pole piece being supported by at least one bolt which extends through the rotor disc, a clearance air gap being provided to electrically insulate the laminations from the bolt passing therethrough

Claim 12 (Previously Added): A rotor disc as claimed in claim 11, in which the clearance is provided by mounting the laminations concentrically on the bolt in a radially spaced relationship.

Claim 13 (Previously Added): A rotor disc as claimed in claim 11, in which the laminations are bonded together to form a stack.

Claim 14 (Previously Added): A rotor disc as claimed in claim 13, in which the stack of bonded laminations is mounted concentrically on the bolt in a radially spaced relationship by the provision of insulated annular members at either end of the stack.

Claim 15 (Previously Added): A rotor disc as claimed in claim 14, in which the insulated annular members are recessed into either end of the stack.

Claim 16 (Previously Added): A rotor disc as claimed in claim 14, in which the insulated annular members are resilient.

Appln. No. 09/755114

Claim 17 (Previously Added): A rotor disc as claimed in claim 16, in which the annular members are formed from an elastomeric material.

Claim 18 (Previously Added): A rotor disc as claimed in claim 11, further comprising means provided on the bolt for compressing the laminated pole pieces.

Claim 19 (Previously Added): A rotor disc as claimed in claim 18, wherein the means for compressing the laminated pole pieces are resilient to maintain the correct compressive force on the laminated pole pieces throughout operation.

Claim 20 (Previously Added): A rotor disc as claimed in claim 19, wherein the means for compressing the laminated pole pieces comprise nuts and spring washers.

Claim 21 (New): A rotor disc assembly for use in an electrical machine, the rotor disc assembly comprising:

a rotor disc; and

at least one circumferential rotor rim mounted on the rotor disc, the rotor rim including at least one row of alternate magnets and pole piece assemblies, each pole piece assembly having

laminated pole pieces forming a lamination having a first end and a second end,

- a first insulating member on the first end of the lamination and positioned between the lamination and the rotor disc to electrically insulate the first end of the lamination from the rotor disc,
- a second insulating member on the second end of the lamination to electrically insulate the second end of the lamination,

Appin. No. 09/755114

Feb-21-2003 13:36

a fastener extending through the rotor disc, the lamination, the first insulation member, and the second insulating member to attach the pole piece assembly to the rotor disc, and

a clearance air gap provided between the lamination and the fastener to electrically insulate the lamination from the bolt.

Claim 22 (New): A rotor disc assembly as claimed in claim 21, wherein the laminated pole pieces are annular, the first insulating member is annular, and the second insulating member is annular.

Claim 23 (New): A rotor disc assembly as claimed in claim 21, wherein the first insulating member includes a first element that is positioned between the lamination and the fastener to radially space the lamination from the fastener.

Claim 24 (New): A rotor disc assembly as claimed in claim 23, wherein the second insulating member includes a second element that is positioned between the lamination and the fastener to radially space the lamination from the fastener.

Claim 25 (New): A rotor disc assembly as claimed in claim 23, wherein the lamination includes a recess, and the first element is an annular insulating ring positioned within the recess.

Claim 26 (New): A rotor disc assembly as claimed in claim 21, wherein the fastener is a bolt, and the second insulating member is positioned between the lamination and a nut attached to the bolt.

Claim 27 (New): A rotor disc assembly as claimed in claim 26, wherein the nut secures a spring washer to the bolt and the spring washer is positioned between the nut and the second insulating member.

Appla. No. 09/755114

Claim 28 (New) A rotor disc assembly as claimed in claim 21, wherein the laminated pole pieces are annular, the first insulating member is annular, and the second insulating member is annular,

the first insulating member includes a first element that is positioned between the lamination and the fastener to radially space the lamination from the fastener,

the second insulating member includes a second element that is positioned between the lamination and the fastener to radially space the lamination from the fastener.

Claim 29 (New) A rotor disc assembly as claimed in claim 28, wherein the lamination includes a first recess and a second recess, and the first element is an annular insulating ring positioned within the first recess, and the second element is an annular insulating ring positioned within the second recess.

Claim 30 (New): A rotor disc assembly as claimed in claim 29, wherein the fastener is a bolt, and the second insulating member is positioned between the lamination and a nut attached to the bolt, and the nut secures a spring washer to the bolt and the spring washer is positioned between the nut and the second insulating member.

End of Summary

医雌类性精神囊肿的 小小头 医乳桂树叶